

Attorney Docket No. 2003P01101WOUS

IN THE CLAIMS:

Please cancel Claims 1 - 17 and add new Claims 18 - 49 as follows:

AMENDMENTS TO THE CLAIMS:

1 - 17 (Canceled)

18. (New) A device for heating food by means of induction, comprising:
heating means including a secondary winding formed from a current conductor
and a heating element connected to said winding; and
a winding core disposed inside said secondary winding.
19. (New) The device according to claim 18, including said winding core configured
as substantially rotationally symmetrical.
20. (New) The device according to claim 18, including said winding core configured
as a pot core.
21. (New) The device according to claim 20, including said winding includes a
central column having a first axial height and an annular side wall having a
second axial height different from said first axial height.
22. (New) The device according to claim 18, including said winding core includes a
plurality of core elements.
23. (New) The device according to claim 22, including said core elements arranged
on a substantially circular path and configured substantially as circular-ring-
segment-shaped.
24. (New) The device according to claim 23, including said core elements formed
substantially U-shaped in one radial cross-section.

25. (New) The device according to claim 23, including said core elements formed substantially E-shaped in one radial cross-section.
26. (New) The device according to claim 22, including retaining means which interconnect said core elements in a load-bearing manner.
27. (New) The device according to claim 26, including said retaining means include a printed circuit board.
28. (New) The device according to claim 26, including said retaining means configured as substantially ring-shaped.
29. (New) The device according to claim 18, including said winding arranged on a printed circuit board.
30. (New) The device according to claim 18, including said winding arranged as substantially spiral-shaped.
31. (New) The device according to claim 18, including said heating element includes the same number of substantially identical heating conductors as the winding core has core elements.
32. (New) The device according to claim 31, including at least two heating conductors are arranged substantially symmetrically with respect to one another and especially in a substantially circular heating area.
33. (New) The device according to claim 31, including said heating conductors arranged in a substantially circular heating area and each said heating conductor arranged substantially uniformly distributed in a piece-of-cake-shaped segment.

34. (New) A device for transmitting energy to a device for heating food by means of induction, comprising:
a primary winding formed from a current conductor and connected to a voltage source; and
a winding core located inside said primary winding.
35. (New) The device according to claim 34, including said winding core configured as substantially rotationally symmetrical.
36. (New) The device according to claim 34, including said winding core configured as a pot core.
37. (New) The device according to claim 36, including said winding includes a central column having a first axial height and an annular side wall having a second axial height different from said first axial height.
38. (New) The device according to claim 34, including said winding core includes a plurality of core elements.
39. (New) The device according to claim 38, including said core elements arranged on a substantially circular path and configured substantially as circular-ring-segment-shaped.
40. (New) The device according to claim 38, including said core elements formed substantially U-shaped in one radial cross-section.
41. (New) The device according to claim 38, including said core elements formed substantially E-shaped in one radial cross-section.

42. (New) The device according to claim 38, including retaining means which interconnect said core elements in a load-bearing manner.
43. (New) The device according to claim 42, including said retaining means include a printed circuit board.
44. (New) The device according to claim 42, including said retaining means configured as substantially ring-shaped.
45. (New) The device according to claim 34, including said winding arranged on a printed circuit board.
46. (New) The device according to claim 34, including said winding arranged as substantially spiral-shaped.
47. (New) The device according to claim 34, including said heating element includes the same number of substantially identical heating conductors as the winding core has core elements.
48. (New) The device according to claim 47, including at least two heating conductors are arranged substantially symmetrically with respect to one another and especially in a substantially circular heating area.
49. (New) The device according to claim 47, including said heating conductors arranged in a substantially circular heating area and each said heating conductor arranged substantially uniformly distributed in a piece-of-cake-shaped segment.